Piotr Kowalczyk

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5995486/publications.pdf

Version: 2024-02-01

137 papers	3,358 citations	136950 32 h-index	197818 49 g-index
137 all docs	137 docs citations	137 times ranked	3081 citing authors

#	Article	IF	Citations
1	Hydrogen storage in nanoporous carbon materials: myth and facts. Physical Chemistry Chemical Physics, 2007, 9, 1786-1792.	2.8	151
2	Adsorption-Induced Deformation of Microporous Carbons: Pore Size Distribution Effect. Langmuir, 2008, 24, 6603-6608.	3.5	129
3	Ammonium sorption from aqueous solutions by the natural zeolite Transcarpathian clinoptilolite studied under dynamic conditions. Journal of Colloid and Interface Science, 2005, 284, 408-415.	9.4	121
4	Storage of Hydrogen at 303 K in Graphite Slitlike Pores from Grand Canonical Monte Carlo Simulation. Journal of Physical Chemistry B, 2005, 109, 17174-17183.	2.6	101
5	Porous structure of natural and modified clinoptilolites. Journal of Colloid and Interface Science, 2006, 297, 77-85.	9.4	85
6	Grand Canonical Monte Carlo Simulation Study of Methane Adsorption at an Open Graphite Surface and in Slitlike Carbon Pores at 273 K. Langmuir, 2005, 21, 5639-5646.	3.5	83
7	Estimation of the pore-size distribution function from the nitrogen adsorption isotherm. Comparison of density functional theory and the method of Do and co-workers. Carbon, 2003, 41, 1113-1125.	10.3	78
8	Developing the solution analogue of the Toth adsorption isotherm equation. Journal of Colloid and Interface Science, 2003, 266, 473-476.	9.4	75
9	What kind of pore size distribution is assumed in the Dubininâ€“Astakhov adsorption isotherm equation?. Carbon, 2002, 40, 2879-2886.	10.3	73
10	How realistic is the pore size distribution calculated from adsorption isotherms if activated carbon is composed of fullerene-like fragments?. Physical Chemistry Chemical Physics, 2007, 9, 5919.	2.8	70
11	Estimating the pore size distribution of activated carbons from adsorption data of different adsorbates by various methods. Journal of Colloid and Interface Science, 2004, 273, 39-63.	9.4	66
12	Carbon Dioxide Adsorption-Induced Deformation of Microporous Carbons. Journal of Physical Chemistry C, 2010, 114, 5126-5133.	3.1	61
13	Thermodynamic properties of benzene adsorbed in activated carbons and multi-walled carbon nanotubes. Chemical Physics Letters, 2006, 421, 409-414.	2.6	59
14	Single-Walled Carbon Nanotubes:â€‰ Efficient Nanomaterials for Separation and On-Board Vehicle Storage of Hydrogen and Methane Mixture at Room Temperature?. Journal of Physical Chemistry C, 2007, 111, 5250-5257.	3.1	59
15	Thermodynamics of Hydrogen Adsorption in Slit-like Carbon Nanopores at 77 K. Classical versus Path-Integral Monte Carlo Simulations. Langmuir, 2007, 23, 3666-3672.	3.5	56
16	Nanoscale Tubular Vessels for Storage of Methane at Ambient Temperatures. Langmuir, 2006, 22, 9035-9040.	3.5	53
17	Determination of Isosteric Heat of Adsorption by Quenched Solid Density Functional Theory. Langmuir, 2017, 33, 1769-1779.	3.5	52
18	Displacement of Methane by Coadsorbed Carbon Dioxide Is Facilitated In Narrow Carbon Nanopores. Journal of Physical Chemistry C, 2012, 116, 13640-13649.	3.1	48

#	Article	IF	Citations
19	Efficient Adsorption of Super Greenhouse Gas (Tetrafluoromethane) in Carbon Nanotubes. Environmental Science & Technology, 2008, 42, 2931-2936.	10.0	45
20	The comparative characterization of structural heterogeneity of mesoporous activated carbon fibers (ACFs). Applied Surface Science, 2003, 206, 67-77.	6.1	44
21	Hyper-parallel tempering Monte Carlo simulations of Ar adsorption in new models of microporous non-graphitizing activated carbon: effect of microporosity. Journal of Physics Condensed Matter, 2007, 19, 406208.	1.8	43
22	Heterogeneous Doâ€“Do model of water adsorption on carbons. Journal of Colloid and Interface Science, 2005, 290, 1-13.	9.4	42
23	State of Hydrogen in Idealized Carbon Slitlike Nanopores at 77 K. Langmuir, 2006, 22, 1970-1972.	3.5	42
24	Cryogenic Separation of Hydrogen Isotopes in Single-Walled Carbon and Boron-Nitride Nanotubes: Insight into the Mechanism of Equilibrium Quantum Sieving in Quasi-One-Dimensional Pores. Journal of Physical Chemistry B, 2008, 112, 8275-8284.	2.6	42
25	Synergetic effect of carbon nanopore size and surface oxidation on CO2 capture from CO2/CH4 mixtures. Journal of Colloid and Interface Science, 2013, 397, 144-153.	9.4	42
26	Improvement of the Derjaguinâ˜Broekhoffâ˜de Boer Theory for Capillary Condensation/Evaporation of Nitrogen in Mesoporous Systems and Its Implications for Pore Size Analysis of MCM-41 Silicas and Related Materials. Langmuir, 2005, 21, 1827-1833.	3.5	40
27	Toward Solving the Unstable Linear Fredholm Equation of the First Kind:Â A New Procedure Called the Adsorption Stochastic Algorithm (ASA) and Its Properties. Langmuir, 2003, 19, 4253-4268.	3.5	38
28	Nanoscale Water Contact Angle on Polytetrafluoroethylene Surfaces Characterized by Molecular Dynamicsâ€“Atomic Force Microscopy Imaging. Langmuir, 2018, 34, 4526-4534.	3.5	37
29	Using in-situ adsorption dilatometry for assessment of micropore size distribution in monolithic carbons. Carbon, 2016, 103, 263-272.	10.3	36
30	Can carbon surface oxidation shift the pore size distribution curve calculated from Ar, N₂and CO₂adsorption isotherms? Simulation results for a realistic carbon model. Journal of Physics Condensed Matter, 2009, 21, 315005.	1.8	35
31	Fullerene-Intercalated Graphene Nano-Containers â€” Mechanism of Argon Adsorption and High-Pressure CH₄and CO₂Storage Capacities. Adsorption Science and Technology, 2009, 27, 281-296.	3.2	35
32	Super-sieving effect in phenol adsorption from aqueous solutions on nanoporous carbon beads. Carbon, 2018, 135, 12-20.	10.3	34
33	Influence of activated carbon surface oxygen functionalities on SO2 physisorption â€“ Simulation and experiment. Chemical Physics Letters, 2013, 578, 85-91.	2.6	32
34	Distribution of Carbon Nanotube Sizes from Adsorption Measurements and Computer Simulation. Journal of Physical Chemistry B, 2005, 109, 14659-14666.	2.6	30
35	Molecular simulation aided nanoporous carbon design for highly efficient low-concentrated formaldehyde capture. Carbon, 2017, 124, 152-160.	10.3	30
36	Carbon Nanohorns as Reaction Nanochambers â€“ a Systematic Monte Carlo Study. Scientific Reports, 2018, 8, 15407.	3.3	29

#	Article	IF	Citations
37	In silico study on the effects of carbonyl groups on chemical equilibrium of reactions with a polar product occurring under confinement in pores of activated carbons. Chemical Engineering Communications, 2021, 208, 171-182.	2.6	29
38	Water Adsorption Property of Hierarchically Nanoporous Detonation Nanodiamonds. Langmuir, 2017, 33, 11180-11188.	3.5	28
39	What Is the Value of Water Contact Angle on Silicon?. Materials, 2020, 13, 1554.	2.9	27
40	Optimal Single-Walled Carbon Nanotube Vessels for Short-Term Reversible Storage of Carbon Dioxide at Ambient Temperatures. Journal of Physical Chemistry C, 2010, 114, 21465-21473.	3.1	26
41	Molecular insight into the high selectivity of double-walled carbon nanotubes. Physical Chemistry Chemical Physics, 2012, 14, 2784.	2.8	26
42	Screening of carbonaceous nanoporous materials for capture of nerve agents. Physical Chemistry Chemical Physics, 2013, 15, 291-298.	2.8	25
43	New insights into the ideal adsorbed solution theory. Physical Chemistry Chemical Physics, 2015, 17, 7232-7247.	2.8	25
44	Morphologically disordered pore model for characterization of micro-mesoporous carbons. Carbon, 2017, 111, 358-370.	10.3	25
45	The effects of confinement in pores built of folded graphene sheets on the equilibrium of nitrogen monoxide dimerisation reaction. Journal of Physics Condensed Matter, 2019, 31, 135001.	1.8	25
46	Bimodal pore size distributions for carbons: Experimental results and computational studies. Journal of Colloid and Interface Science, 2007, 310, 205-216.	9.4	24
47	The influence of carbon surface oxygen groups on Dubininâ€“Astakhov equation parameters calculated from CO₂adsorption isotherm. Journal of Physics Condensed Matter, 2010, 22, 085003.	1.8	24
48	Methane-Induced Deformation of Porous Carbons: From Normal to High-Pressure Operating Conditions. Journal of Physical Chemistry C, 2012, 116, 1740-1747.	3.1	24
49	The Application of a CONTIN Package for the Evaluation of Micropore Size Distribution Functions. Langmuir, 2002, 18, 5406-5413.	3.5	23
50	Effect of the Carbon Surface Layer Chemistry on Benzene Adsorption from the Vapor Phase and from Dilute Aqueous Solutions. Langmuir, 2005, 21, 12257-12267.	3.5	23
51	Simple model of adsorption on external surface of carbon nanotubesâ€”aÂnew analytical approach basing on molecular simulation data. Adsorption, 2010, 16, 197-213.	3.0	23
52	BET surface area of carbonaceous adsorbentsâ€”Verification using geometric considerations and GCMC simulations on virtual porous carbon models. Applied Surface Science, 2010, 256, 5204-5209.	6.1	23
53	The Finite Pore Volume GAB Adsorption Isotherm Model as a Simple Tool to Estimate a Diameter of Cylindrical Nanopores. Molecules, 2021, 26, 1509.	3.8	23
54	Optimization of Slitlike Carbon Nanopores for Storage of hythane Fuel at Ambient Temperatures. Journal of Physical Chemistry B, 2006, 110, 23770-23776.	2.6	21

#	Article	IF	Citations
55	Impact of the carbon pore size and topology on the equilibrium quantum sieving of hydrogen isotopes at zero coverage and finite pressures. Journal of Physics Condensed Matter, 2009, 21, 144210.	1.8	21
56	Carbon Molecular Sieves: Reconstruction of Atomistic Structural Models with Experimental Constraints. Journal of Physical Chemistry C, 2014, 118, 12996-13007.	3.1	21
57	New forcefield for water nanodroplet on a graphene surface. Chemical Physics Letters, 2017, 674, 98-102.	2.6	21
58	Some remarks on the calculation of the pore size distribution function of activated carbons. Journal of Colloid and Interface Science, 2006, 300, 453-474.	9.4	20
59	Adsorption from aqueous solutions on opened carbon nanotubesâ€"organic compounds speed up delivery of water from inside. Physical Chemistry Chemical Physics, 2009, 11, 9341.	2.8	20
60	Thermodynamics of benzene adsorption on oxidized carbon nanotubes â€“ experimental and simulation studies. Chemical Physics Letters, 2012, 538, 93-98.	2.6	20
61	Ar, CCl4 and C6H6 adsorption outside and inside of the bundles of multi-walled carbon nanotubesâ€"simulation study. Physical Chemistry Chemical Physics, 2009, 11, 4982.	2.8	19
62	Atomic-scale molecular models of oxidized activated carbon fibre nanoregions: Examining the effects of oxygen functionalities on wet formaldehyde adsorption. Carbon, 2020, 165, 67-81.	10.3	19
63	Structural properties of amorphous diamond-like carbon: percolation, cluster, and pair correlation analysis. RSC Advances, 2012, 2, 4292.	3.6	18
64	Microscopic model of carbonaceous nanoporous molecular sievesâ€"anomalous transport in molecularly confined spaces. Physical Chemistry Chemical Physics, 2010, 12, 11351.	2.8	17
65	Simulating the changes in carbon structure during the burn-off process. Journal of Colloid and Interface Science, 2011, 360, 211-219.	9.4	17
66	Water Nanodroplet on a Hydrocarbon â€œCarpetâ€â€"The Mechanism of Water Contact Angle Stabilization by Airborne Contaminations on Graphene, Au, and PTFE Surfaces. Langmuir, 2019, 35, 420-427.	3.5	17
67	Revisiting Wetting, Freezing, and Evaporation Mechanisms of Water on Copper. ACS Applied Materials & Interfaces, 2021, 13, 37893-37903.	8.0	17
68	New approach to determination of surface heterogeneity of adsorbents and catalysts from the temperature programmed desorption (TPD) technique: One step beyond the condensation approximation (CA) method. Journal of Colloid and Interface Science, 2005, 291, 334-344.	9.4	16
69	Improvement of the Derjaguin-Broekhoff-de Boer Theory for the Capillary Condensation/Evaporation of Nitrogen in Spherical Cavities and Its Application for the Pore Size Analysis of Silicas with Ordered Cagelike Mesopores. Langmuir, 2005, 21, 10530-10536.	3.5	16
70	Intrinsic D₂/H₂ Selectivity of NaX Zeolite: Interplay between Adsorption and Kinetic Factors. Journal of Physical Chemistry C, 2015, 119, 15373-15380.	3.1	16
71	New relationships between the characteristic energy of adsorption and the average effective diameter of carbon slit-like micropores. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2002, 201, 17-30.	4.7	15
72	The evaluation of the surface heterogeneity of carbon blacks from the lattice density functional theory. Carbon, 2004, 42, 1813-1823.	10.3	15

#	Article	IF	Citations
73	Simulation of SF6 adsorption on the bundles of single walled carbon nanotubes. Microporous and Mesoporous Materials, 2012, 154, 51-55.	4.4	15
74	Separation of CO2â€“CH4 mixtures on defective single walled carbon nanohorns â€“ tip does matter. Physical Chemistry Chemical Physics, 2013, 15, 16468.	2.8	15
75	Nuclear Quantum Effects in the Layering and Diffusion of Hydrogen Isotopes in Carbon Nanotubes. Journal of Physical Chemistry Letters, 2015, 6, 3367-3372.	4.6	15
76	Determination of the adsorption energy distribution function of upd hydrogen on monocrystalline platinum. Journal of Electroanalytical Chemistry, 2004, 574, 41-47.	3.8	14
77	Impact of an adsorbed phase nonideality in the calculation of the filling pressure of carbon slit-like micropores. Carbon, 2004, 42, 573-583.	10.3	14
78	Properties of Phenol Confined in Realistic Carbon Micropore Model: Experiment and Simulation. Journal of Physical Chemistry C, 2015, 119, 19987-19995.	3.1	14
79	Description of benzene adsorption in slit-like pores. Theoretical foundations of the improved Horvathâ€“Kawazoe method. Carbon, 2004, 42, 851-864.	10.3	13
80	Thermodynamics of the CMMS Approach and Carbon Surface Chemistry in SO2Adsorption. Langmuir, 2006, 22, 6887-6892.	3.5	13
81	Static and thermodynamic properties of low-density supercritical 4Heâ€”breakdown of the Feynmanâ€“Hibbs approximation. Physical Chemistry Chemical Physics, 2009, 11, 9182.	2.8	13
82	Detecting adsorption space in carbon nanotubes by benzene uptake. Journal of Colloid and Interface Science, 2013, 391, 74-85.	9.4	13
83	Water nanodroplet on a graphene surfaceâ€”a new old system. Journal of Physics Condensed Matter, 2016, 28, 495002.	1.8	13
84	Numerical Analysis of the Horvathâ€“Kawazoe Equation â€” The Adsorption of Nitrogen, Argon, Benzene, Carbon Tetrachloride and Sulphur Hexafluoride. Adsorption Science and Technology, 2002, 20, 295-305.	3.2	12
85	Modeling of the Hysteresis Phenomena in Finite-Sized Slitlike Nanopores. Revision of the Recent Results by Rigorous Numerical Analysis. Langmuir, 2005, 21, 6613-6627.	3.5	11
86	Benzene adsorption on carbonaceous materials: The influence of pore structure on the state of the adsorbate. Applied Surface Science, 2006, 253, 2525-2539.	6.1	11
87	Nanoporous Quantum Filters: Inside Vaporâ˜Liquid Transitions of Quantum Fluids in Nanopores. Journal of Physical Chemistry B, 2010, 114, 5047-5052.	2.6	11
88	Constant Pressure Path Integral Gibbs Ensemble Monte Carlo Method. Journal of Chemical Theory and Computation, 2013, 9, 2922-2929.	5.3	11
89	Are nanohedgehogs thirsty? Toward new superhydrophobic and anti-icing carbon nanohorn-polymer hybrid surfaces. Chemical Engineering Journal, 2022, 446, 137126.	12.7	11
90	Role of Short-Range Directional Interactions in Coarse-Graining of Protic/Aprotic Liquids. Journal of Physical Chemistry B, 2009, 113, 12988-12998.	2.6	10

#	Article	IF	Citations
91	Molecular dynamics of zigzag single walled carbon nanotube immersion in water. Physical Chemistry Chemical Physics, 2011, 13, 5621.	2.8	10
92	Virtual Porous Carbons. , 2012, , 61-104.		10
93	Applicability of molecular simulations for modelling the adsorption of the greenhouse gas CF4on carbons. Journal of Physics Condensed Matter, 2013, 25, 015004.	1.8	10
94	MD simulation of organics adsorption from aqueous solution in carbon slit-like pores. Foundations of the pore blocking effect. Journal of Physics Condensed Matter, 2014, 26, 055008.	1.8	10
95	Water at Curved Carbon Surface: Mechanisms of Adsorption Revealed by First Calorimetric Study. Journal of Physical Chemistry C, 2015, 119, 2703-2715.	3.1	10
96	Switchable hydrophobicity/hydrophilicity of a HOPG surface - Comment on the paper by Y. Wei and C.Q. Jia, Carbon, 87 (2015) 10-17. Carbon, 2017, 115, 571-573.	10.3	10
97	Stability of coordination polymers in water: state of the art and towards a methodology for nonporous materials. Adsorption, 2019, 25, 1-11.	3.0	10
98	Carbon materials as new nanovehicles in hot-melt drug deposition. Journal of Physics Condensed Matter, 2013, 25, 355002.	1.8	9
99	Mechanistic aspects of water adsorption-desorption in porphyrin containing MOFs. Microporous and Mesoporous Materials, 2019, 290, 109649.	4.4	9
100	Effects of Critical Fluctuations on Adsorption-Induced Deformation of Microporous Carbons. Journal of Physical Chemistry C, 2015, 119, 6111-6120.	3.1	8
101	The influence of geometric heterogeneity of closed carbon nanotube bundles on benzene adsorption from the gaseous phase-Monte Carlo simulations. Adsorption, 2016, 22, 639-651.	3.0	8
102	Reconstructing the fractal clusters of detonation nanodiamonds from small-angle X-ray scattering. Carbon, 2020, 169, 349-356.	10.3	8
103	Activated carbon immersed in waterâ€"the origin of linear correlation between enthalpy of immersion and oxygen content studied by molecular dynamics simulation. Physical Chemistry Chemical Physics, 2010, 12, 10701.	2.8	7
104	Optimization of Coarse-Grained Interaction Potential: Inside Inherent Limitations of Coarse-Graining Methods. Journal of Physical Chemistry B, 2011, 115, 6985-6994.	2.6	7
105	Folding of graphene slit like pore wallsâ€"a simple method of improving CO₂separation from mixtures with CH₄or N₂. Journal of Physics Condensed Matter, 2014, 26, 485006.	1.8	7
106	Surface to volume ratio of carbon nanohorn â€“ A crucial factor in CO2/CH4 mixture separation. Chemical Physics Letters, 2014, 595-596, 67-72.	2.6	7
107	Adsorption potential distributions for carbons having defined pore structureâ€"GCMC simulations of the effect of heterogeneity. Adsorption, 2009, 15, 99-113.	3.0	6
108	The system of carbon tetrachloride and closed carbon nanotubes analyzed by a combination of molecular simulations, analytical modeling, and adsorption calorimetry. Journal of Colloid and Interface Science, 2010, 349, 321-330.	9.4	6

#	Article	IF	Citations
109	Cryogenic Noble Gas Separation without Distillation: The Effect of Carbon Surface Curvature on Adsorptive Separation. Journal of Physical Chemistry C, 2012, 116, 19363-19371.	3.1	6
110	To the pore and through the pore: thermodynamics and kinetics of helium in exotic cubic carbon polymorphs. Physical Chemistry Chemical Physics, 2013, 15, 17366.	2.8	6
111	Monte Carlo study of chemical reaction equilibria in pores of activated carbons. RSC Advances, 2017, 7, 53667-53679.	3.6	6
112	Opening the internal structure for transport of ions: improvement of the structural and chemical properties of single-walled carbon nanohorns for supercapacitor electrodes. RSC Advances, 2020, 10, 38357-38368.	3.6	6
113	Electrophoretic Deposition of Layer-by-Layer Unsheathed Carbon Nanotubesâ€”A Step Towards Steerable Surface Roughness and Wettability. Materials, 2020, 13, 595.	2.9	6
114	Liquid phase adsorption induced nanosizing of graphene oxide. Carbon, 2021, 183, 948-957.	10.3	6
115	Characterization of Microporous Carbon Materials by Means of a New Gamma-Type Adsorption Isotherm Equation. Journal of Colloid and Interface Science, 2001, 243, 300-305.	9.4	5
116	Heterogeneity on high-resolution Î±s plots for carbon nanotubesâ€”GCMC study. Physical Chemistry Chemical Physics, 2008, 10, 4551.	2.8	5
117	Frequency-Dependent Diffusion Constant of Quantum Fluids from Path Integral Monte Carlo and Tikhonovâ€™s Regularizing Functional. Journal of Chemical Theory and Computation, 2009, 5, 1990-1996.	5.3	5
118	The influence of the carbon surface chemical composition on Dubininâ€“Astakhov equation parameters calculated from SF6adsorption dataâ€”grand canonical Monte Carlo simulation. Journal of Physics Condensed Matter, 2011, 23, 395005.	1.8	5
119	Toward in silico modeling of palladiumâ€“hydrogenâ€“carbon nanohorn nanocomposites. Physical Chemistry Chemical Physics, 2014, 16, 11763-11769.	2.8	5
120	CO2 - Reinforced nanoporous carbon potential energy field during CO2/CH4 mixture adsorption. A comprehensive volumetric, in-situ IR, and thermodynamic insight. Carbon, 2017, 122, 185-193.	10.3	5
121	Linking the Defective Structure of Boron-Doped Carbon Nano-Onions with Their Catalytic Properties: Experimental and Theoretical Studies. ACS Applied Materials & Interfaces, 2021, 13, 51628-51642.	8.0	5
122	The Comparative Analysis of the Properties of Two Micropore-Size Distribution Functions: The Pfeiferâ€“Avnir Function and the Gamma-Type One. Journal of Colloid and Interface Science, 2001, 244, 439-443.	9.4	4
123	Homogeneous and Heterogeneous Micropore Structures in Carbonaceous Adsorbentsâ€”Twenty Years Later. Journal of Colloid and Interface Science, 2002, 254, 242-249.	9.4	4
124	Equilibrium Properties of Dense Hydrogen Isotope Gases Based on the Theory of Simple Fluids. Journal of Physical Chemistry B, 2006, 110, 14971-14975.	2.6	4
125	Grand Canonical Monte Carlo Simulation Study of Hydrogen Storage in Ordered Mesoporous Carbons at 303 K. Adsorption Science and Technology, 2006, 24, 411-426.	3.2	4
126	Quantum fluctuations increase the self-diffusive motion of para-hydrogen in narrow carbon nanotubes. Physical Chemistry Chemical Physics, 2011, 13, 9824.	2.8	4

#	Article	IF	Citations
127	Porosity of closed carbon nanotubes compressed using hydraulic pressure. Adsorption, 2013, 19, 785-793.	3.0	4
128	New findings on the influence of carbon surface curvature on energetics of benzene adsorption from gaseous phase. Chemical Physics Letters, 2016, 645, 157-163.	2.6	4
129	Nanoscale Insight into the Mechanism of a Highly Oriented Pyrolytic Graphite Edge Surface Wetting by â€œInterferencingâ€•Water. Langmuir, 2017, 33, 8562-8573.	3.5	4
130	Cryogenic Helium Adsorbed in Zeolite Rho: Inside Localization Controlled Self-Diffusion of Confined Quantum Particles. Journal of Physical Chemistry C, 2011, 115, 18105-18110.	3.1	3
131	Insight into the Mechanisms of Low Coverage Adsorption of N-Alcohols on Single Walled Carbon Nanohorn. Materials, 2021, 14, 4001.	2.9	2
132	To what extent can mutual shifting of folded carbonaceous walls in slit-like pores affect their adsorption properties?. Journal of Physics Condensed Matter, 2016, 28, 015002.	1.8	1
133	Carbon Nanohorns. , 2016, , 75-114.		1
134	Phenol Molecular Sheets Woven by Water Cavities in Hydrophobic Slit Nanospaces. Langmuir, 2018, 34, 15150-15159.	3.5	1
135	Testing the self-cleaning properties of a coordination polymer surface. Adsorption, 2019, 25, 33-39.	3.0	1
136	A Simple Method of the Determination of the Structural Heterogeneity of Microporous Solids. Journal of Colloid and Interface Science, 2001, 236, 387-390.	9.4	0
137	Cubic Carbon Polymorphs. , 2016, , 141-156.		0